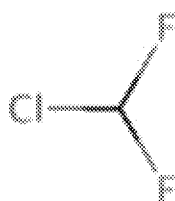


Message

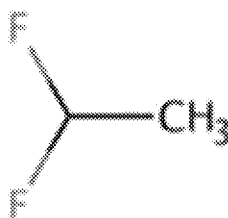
From: Widawsky, David [Widawsky.David@epa.gov]
Sent: 10/25/2019 4:10:15 PM
To: Henry, Tala [Henry.Tala@epa.gov]; Williamson, Tracy [Williamson.Tracy@epa.gov]; Christian, Myrta [Christian.Myrta@epa.gov]; Schechter, Kathryn [Schechter.Kathryn@epa.gov]
CC: Tillman, Thomas [Tillman.Thomas@epa.gov]
Subject: RE: Need a Chemist...
Attachments: FW: Developing a PFAS list

Tracy is out today, and I haven't checked if Kathy is in today. But, from Tracy's note to you on Oct. 10 (recent thread attached), it seems that a single fluorinated carbon is not likely to meet the definition our ICB chemists use to define a PFAS: R-CF₂-CF₂-R'

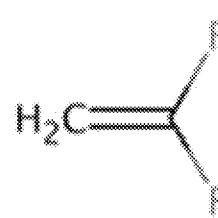
OPPT has a broad (broader than most) working definition for what is PFAS: contains R-CF₂-CF₂-R' where R & R' are not H. This includes some pretty small molecules, but some on the ORD list are a little too small with not enough F:



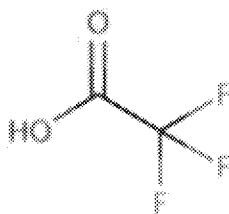
Chlorodifluoromethane
DTXSID:DTXSID0020301
CASRN:75-45-6
TOXCAST:-



1,1-Difluoroethane
DTXSID:DTXSID0024030
CASRN:75-37-6
TOXCAST:-

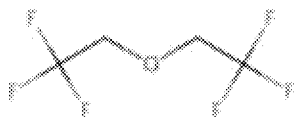


Vinylidene fluoride
DTXSID:DTXSID03021439
CASRN:75-38-7
TOXCAST:-

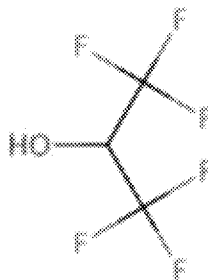


Trifluoroacetic acid
DTXSID:DTXSID9041578
CASRN:76-05-1
TOXCAST:-

We do not include substances like the following, because they do not contain any of the strong fluorinated-carbon-to-fluorinated-carbon bonds:



Flurothyl
DTXSID:DTXSID5046516
CASRN:333-36-8
TOXCAST:1/79



2H-Perfluoro-2-propanol
DTXSID:DTXSID1022134
CASRN:920-66-1
TOXCAST:-

David Widawsky, PhD
Director - Chemistry, Economics, and Sustainable Strategies Division
Office of Pollution Prevention and Toxics
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Check out EPA's pollution prevention initiatives:

>> www.epa.gov/p2
>> www.epa.gov/greenchemistry
>> www.epa.gov/SaferChoice
>> www.epa.gov/epp

From: Henry, Tala <Henry.Tala@epa.gov>
Sent: Friday, October 25, 2019 12:02 PM
To: Williamson, Tracy <Williamson.Tracy@epa.gov>; Christian, Myrta <Christian.Myrta@epa.gov>; Schechter, Kathryn <Schechter.Kathryn@epa.gov>
Cc: Widawsky, David <Widawsky.David@epa.gov>; Tillman, Thomas <Tillman.Thomas@epa.gov>
Subject: Need a Chemist...
Importance: High

is the below definition consistent with how we define PFAS...or much broader???

a perfluoroalkyl or polyfluoroalkyl substance with at least one fully fluorinated carbon atom

Tala R. Henry, Ph.D.
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U.S. Environmental Protection Agency

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